

GUSEYNZADE, G.

activity of the students of the Special Design Bureau. Neftianik
5 no.11:27-28 N '60. (MIRA 13:11)
(Pumping machinery)

GUSEYN-ZADE, K.M.

Cutaneous leishmaniasis and its control in an endemic area;
second report. Azerb.med.zhur. no.4:80-84 Ap '58 (MIRA 11:7)

1. Iz b. Azerbaydzhanskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (direktor A.A. Aliyev, nauchnyy rukovoditel' prof. I.M. Ismail-zade) i Kirovobad'skogo kozhno-venerologicheskogo dispansera (glavvrach - K.A. Mamedov).
(DELHI BOIL)

GUSEYN-ZADE, K. M.

GUSEYN-ZADE, K. M. Cand Med Sci -- (diss) " Borovskiy's disense and ~~the~~
experience of the organization of its control in the endemic focus." Baku, 1959
17 pp (Azorbaydzhan State Med Inst im N. Narimanova), 200 copies (KL, 45-59, 149)

GUSEYN-ZADE, K.M.

Search for a reservoir of Borovskii's disease virus (cutaneous leishmaniasis) in Kirovabad. Dokl. AN Azerb.SSR 16 no.7:703-706 '60. (MIRA 13:9)

1. Azerbaydzhanskiy kozhno-venerologicheskiy dispanser. Predstavleno akad. Ab AzerSSR A.N. Karayevym. (KIROVABAD--DELHI BOIL)

GUSEYN-ZADE, K.M.

Clinical characteristics of Borovskii's disease in Kirovabad.
Azerb. med. zhur. no.12:51-54 D '60. (MIRA 13:12)
(KIROVABAD—DELHI BOIL)

MAMEDOV, K.A.; GUSEYNZADE, K.M.

Organization of control measures for eliminating Borovskii's disease
in an endemic focus. Azerb. med. zhur. no. 2:49-51 F '61.
(MIRA 14:2)

(KIROVABAD—DELHI BQIL)

GUSEYNZADE, K.M.

Lymphangitis and lymphadenitis in anthrozoosis-related
cutaneous leishmaniasis. Azerbaidzh. med. zh. 6:69-71 Je'63
(MIRA 17:1)

GUSEYN-ZADE, K.M.

Seeding tubercles in the anthroponomic type of cutaneous
leishmaniasis. Med. paraz. i paraz. bol. 32 no.4:422-424
Jl-Ag '63. (MIRA 17:8)

1. Iz Kirovabadskogo kozhno-venerologicheskogo dispansera
(glavnyy vrach K.A. Mamedov) Ministerstva zdravookhraneniya
Azerbaydzhanskoj SSR.

GUSEYN-ZADE, K.M., kand.med.nauk

Diffuse infiltrating form of cutaneous leishmaniasis affecting man. Vest. dermat. i ven. 37 no.2:43-45 F'63.

(MIRA 16:10)

1. Iz Kirovobadskogo kozhno-venerologicheskogo dispansera (glavnyy vrach K.A.Mamedov) Ministerstva zdravookhraneniya Azerbaydzhanskoy SSR.

*

ISMAIL-ZADE, I.M., prof. [deceased]; GUSEYN-ZADE, K.H., kand. med. nauk;
MAMEDOV, K.A.

Result of 12-year control of cutaneous leishmaniasis in an
epidemic focus. Vest. dermat. i ven. 37 no.4:61-64 Ap '63.
(MIRA 17:5)

GUSEYNZADE, K.M., kand. med. nauk

Histopathology of cutaneous leishmaniasis. Azerb. med. zhur. 42 no.2:
20-23 F '65. (MIRA 18:7)

1. Iz Kirovabadskogo kozhno-venerologicheskogo dispansera.

GUSEYN-ZADE, K.M., kand. med. nauk; SHAKHSUVARLY, M., red.

[Cutaneous leishmaniasis; Borovskii's disease] Kozhnyi
leishmanioz; bolezni' Borovskogo. Baku, Azerbaidzhan.gos.
izd-vo, 1965. 137 p. (MIRA 18:10)

GUSEYN-ZADE, K.M.; MAMEDOV, K.A.

Dynamics of cutaneous leishmaniasis incidence in Kirovabad in
32 years. Med. paraz. i paraz. bol. 34 no.2:234 Mr-Apr '65.
(MIRA 18:11)

1. Kirovabadskiy kozhno-venerologicheskiy dispanser Ministerstva
zdravookhraneniya Azerbaydzhanskoy SSR.

GUSEYNZADE, K.M.

Tuberculoid skin leishmaniasis in Kirovabad. Azerb. med. zhur. 41
no.5:78-82 My '64. (MIRA 18:10)

GUSEYNZADE, K.K.

Recurrent human cutaneous leishmaniasis. Azerb. med. zhur.
41 no. 10:39-43 0 '64 (MIRA 19:1)

GUSEYN-ZADE, Medzhid Azizovich; KAYESHKOVA, S.M., ved. red.

[Characteristics of the motion of a liquid in a non-uniform stratum] Osobennosti dvizhenia zhidkosti v neodnorodnom plaste. Moskva, Nedra, 1965. 275 p.
(MIRA 18:8)

GUSEYN-ZADE, M. A.

Cand. Physicomath Sci.

Dissertation: "Certain Problems of Flow Around a Penetrable Body."

8/6/50

Moscow Order of Lenin State U. imeni

M. V. Lomonosov

SOV/124-58-8-8508

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 25 (USSR)

AUTHOR: Guseyn-Zade, M.A.

TITLE: On the Flow Past a Permeable Wing Profile in a Subsonic Flow of an Ideal Fluid (K voprosu ob obtekanii pronitsayemogo profilya dozvukovym potokom ideal'noy zhidkosti)

PERIODICAL: Vestn. Mosk. un-ta, 1953, Nr 5, pp 35-37

ABSTRACT: A more general solution is found for the problem of the flow past a thin permeable wing profile, previously examined by Kh.A. Rakhmatulin (Vestn. Mosk. un-ta, 1950, Nr 3). A singular integral equation for the intensities of the vortices which replace the permeable surface is written in the nondimensional form

$$A \gamma(\bar{x}) + \frac{B}{\pi i} \int_0^1 \frac{\gamma(\bar{\zeta}) d\bar{\zeta}}{\bar{\zeta} - \bar{x}} = f(\bar{x}) \quad (2)$$

$$A = \frac{\rho V_0}{\alpha \sqrt{1-M^2}}, \quad f(\bar{x}) = \frac{v_0 \beta(\bar{x}) + \lambda}{\sqrt{1-M^2}}, \quad B = i/2, \quad \bar{x} = x/l, \quad \bar{\zeta} = \zeta/l,$$

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SOV/124-58-8-8508

On the Flow Past a Permeable Wing Profile in a Subsonic Flow (cont.)

wherein α and λ are parameters characterizing the surface. The author examines the case

$$f(\bar{x}) = B_0 + B_1\bar{x} + B_2\bar{x}^2 + \dots + B_n\bar{x}^n$$

The solution arrived at, which satisfies the condition of the finiteness of $\gamma(0)$, has the form

$$\gamma(\bar{x}) = a \left(\frac{\bar{x}}{1-\bar{x}} \right)^m \left\{ B_0 + \sum_{n=1}^n B_n \sum_{k=0}^n (d_n)^{(k)} \frac{\bar{x}^{-k}}{k!} (-1)^{i-k} \frac{(k+m) \dots (k+m-i+1)}{i!} \sin m\pi \right\}$$

$$d_i = i + \bar{x} + \bar{x}^2 + \dots + \bar{x}^i$$

It is shown that for the case of a thin plate the author's solution agrees with that obtained by Kh.A. Rakhmatulin.

G.G. Tumashev

Card 2/2

USSR/Physics - Mechanics of circulation

FD-1202

Card 1/1 Pub. 129-5/19

Author : Guzeyn-Zade, M. A.

Title : Flow around two permeable profiles which are mirror reflection of each other relative to a certain plane

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, 9, No 5, 45-49
 Aug 1954

Abstract : The flowing of an ideal incompressible fluid around two permeable profiles is analyzed. The vertical components of the flow are computed and the differential equation of the variable intensity of the turbulent layer is derived. This equation is easily reduced to that of Fredholm. Two methods of approximate solutions are presented. Five references; tables and graphs.

Institution :

Submitted : March 24, 1954

GUSEYN-ZADE, M. A.

V 2126. Guseyn-Zade, M. A., Stationary flow in two strata divided by a slightly permeable well (in Russian), *Izv. Akad. Nauk SSSR Ost. tekhn. Nauk* no. 12, 134-136, Dec. 1954.

Classical treatment of flow problems assumes impervious boundaries. In oil extraction, the problem is that of flow with leakage through slightly pervious boundaries. Author illustrates approach in a two-dimensional case.

Problem is reduced to that of finding two functions $p_i(x, y)$ for the pressure, harmonic over rectangular regions ($i = 1, 2$). On two opposite sides p_i takes arbitrary constant values. At contact with well, normal derivative of p_i is linearly related to difference of pressure across well. A sine transform is applied to differential equation and boundary conditions. Expressions obtained for p_i are series with terms of the form $\text{ch}(b \cdot y) \cdot \sin(x)$.

Author states that method holds for nonstationary and for axisymmetrical flows, with similar boundary conditions. Solutions are indicated in Scheikachev and Guseyn-Zade: *Nefi. Khoz.* 17, 1953.

G. H. Begula, Switzerland

Handwritten notes:
M. A. Guseyn-Zade
Geophysics

Calculation of permeability

GUSEYN-ZADE, M.A.

Calculation of the permeability of the reservoir top and bottom in
the case of fluid movement in it. Trudy MNI no.14:212-224 '55.
(Permeability) (MLRA 8:11)

SOV/124-57-9-10660

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 9, p 117 (USSR)

AUTHOR: Guseyn - zade, M. A.

TITLE: A Generalized Approach to the Problem on the Determination of the Permeability of the Base and Cap of a Reservoir With a Moving Liquid (Obobshcheniye zadachi ucheta pronitsayemosti krovli i podoshvy plasta pri dvizhenii v nem zhidkosti)

PERIODICAL: Tr. Mosk. neft. in-t, 1956, Nr 16, pp 70-81

ABSTRACT: The author examines an approximate method of solution of problems on the flow of a liquid within two reservoir layers separated by a low-permeability interlayer. The solution of the problem is based upon the following assumptions: 1. The reservoir layers and the interlayer are incompressible and homogeneous with regard to thickness and permeability; the permeability coefficients and the thickness of the reservoir layer are not identical. 2. The cap layer of the upper reservoir and the base of the lower reservoir are assumed to be completely impermeable. 3. The moving liquid is incompressible, the seepage processes conform to a linear law, and the flow is steady and level, i. e., the pressure in every reservoir satisfies the Laplace equation. 4. Along the boundary

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SOV/124-57-9-10660

A Generalized Approach to the Problem on the Determination (cont.)

interface, the liquid contained within the interlayer flows in a direction perpendicular to the boundaries of the interface. The accuracy of the last assumption improves as the permeability coefficient of the interlayer is made smaller in comparison with the permeability coefficients of the reservoirs. The solution obtained is in the form of series of hyperbolic and trigonometric functions. In particular, the solution obtained permit one to find the influx of the drainage of liquid through a little-permeable interlayer between reservoir layers. The same method is employed in investigating an axially symmetrical flow in two homogeneous reservoirs separated by a little-permeable interlayer. Bibliography: 6 references.

P. F. Fil'chakov

Card 2/2

С-105710-1443 (1)

11(4)

PHASE I BOOK EXPLOITATION SOV/1443

Moscow. Neftyanoy institut.

Voprosy dobychi nefti i mashinostroyeniya (Problems of Petroleum Production and Petroleum Engineering) Moscow, Gostoptekhizdat, 1957. 393 p. (Its: Trudy, vyp. 20) 1,000 copies printed.

Executive Eds.: Martynova, M.P., and K.P. Svyatitskaya;
Tech. Ed.: Polosina, A.S.; Editorial Board: Zhigach, K.F.
(Resp. Ed.) Professor, I.M. Murav'yev, Professor, A.A. Tikhomirov,
Candidate of Economic Sciences, Yegorov, Candidate of Economic
Sciences, M.M. Charygin, Professor, F.F. Dunayev, Professor,
I.A. Charnyy, Professor N.I. Chernozhukov, Professor, Ye. M.
Kuzmak, Professor, V.N. Dakhnov, Professor, G.M. Panchenkov,
Professor, N.S. Nametkin, Doctor of Chemical Sciences, N.A. Almazov,
Docent, V.I. Biryukov, Docent, V.N. Vinogradov, Docent,
E.I. Tagiyev, V.M. Gurevich.

PURPOSE: This book is intended for specialists working in the petroleum and gas industry and for advanced students at petroleum vuzes.

Card 1/6

Problems of Petroleum Production (Cont.) SOV/1443

COVERAGE: The book is a collection of articles written by professors and faculty members of the Petroleum Institute im. Academician I.M. Gubkin. It deals with problems connected with the development of oil-bearing mother rocks, radiometry as applied to oil wells, production of carboxymethyl ethers of cellulose and their use in drilling to open productive formations. Methods for softening the sea water used in preparing drilling mud, the selection of the type of steel for rock bit cutters, the theory of circular milling with plain milling cutters, and the flow of viscous liquids in rotating pipes and open channels are also discussed in individual articles. There are 50 references, of which 24 are Soviet.

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Problems of Petroleum Production (Cont.) SOV/1443

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4-16-59

Card 6/6

GUSEYN-ZADE, M.A., kand.fiz.- mat.nauk

Fluid flow in two layers considering local contacts between them.
Trudy MNI no.20:23-33 '57. (MIRA 13:5)
(Oil reservoir engineering)

GOVOROVA, G.L.; GUSEYN-ZADE, M.A.

Simplifying design equations for calculating oil-well yields.
Trudy MNI no.22:217-230 '58. (MIRA 12:4)
(Oil field flooding)

Gusfeyn-Zade M. A.

AUTHOR: Gusfeyn-Zade, M. A., and Govorova, G. L.

93-58-3-14/17

TITLE: Determination of Fluid Loss During Water Drive Reservoir Development
(Opredeleniye utechki zhidkosti pri razrabotke plastov s vodonagornym rezhimom)

PERIODICAL: Neftyanoye khozyaystvo, 1958, Nr 3, pp 57-58 (USSR)

ABSTRACT: The article presents methods for determining fluid influx or loss in formations where the wells are in a circular or linear arrangement. V. N. Shchelkachev's equations [Ref 1] are recommended for formations which are exploited by wells of circular arrangement and equations [Ref 2] of the Moscow "Order of Labor Red Banner" Petroleum Institute (MNI) are recommended for wells of linear arrangement. The MNI equations [Ref 2] can also be applied to staggered rows of producing and water-injection wells. The method devised by A. P. Ambartsunyan and his coworkers [Ref 3] for determining fluid influx or loss in staggered rows of wells is more cumbersome than the MNI method. The authors conclude that the equations they recommend will permit estimation of fluid influx or loss in water-drive reservoirs with sufficient accuracy. There are 3 Soviet references and 1 table.

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GUSEIN-ZADE, M. A.

11(2/4) PHASE I BOOK EXPLOITATION 507/2536

Moscow. Institut neftekhimicheskoy i gazovoy promyshlennosti. Problemy nefli i gaza (Oil and Gas Problems). Moscow, Gosizdatneft, 1959. 362 p. (Series: 181 Trudy, 777 24) Errata slip inserted. 2,000 copies printed.

Sponsoring Agency: Ministerstvo vneshego obrasheniya SSSR.

Exec. Ed.: G. F. Margurova; Tech. Ed.: I. G. Fedotova; Editorial Board: E. P. Zhigab, Professor (Resp. Ed.), I. M. Murav'ev, Professor, A. A. Tikhonov, Candidate of Economic Sciences, V. N. Yuzogradov, Candidate of Technical Science, K. M. Charygin, Professor, F. F. Dunayev, Professor, I. A. Gusein-Zade, Professor, V. N. Salimov, Professor, G. N. Panchenkov, Professor.

PURPOSE: This collection of articles is intended for specialists in the petroleum and gas industry. It will also be of interest to scientific research institutes, teachers and students of vuses.
CONTENTS: This collection of articles reviews connected with natural and synthetic gas production. A number of articles are devoted to the study of regional oil- and gas-bearing zones, the crystalline beds underlying the Volg-Bral petrolierous region, techniques of the Caspian depression, seismic prospecting, oil well logging, development of oil and gas fields, petroleum-bearing formations and their physicochemical characteristics, and petroleum engineering. Other articles deal with gas turbine engines and methods of their use in the oil and gas industry, the production of carbonyl compounds, the application of fine exchange beds to the organic catalysis, continuous cutting of heavy petroleum residues, (fluidization), the increase of lubrication, and the influence of acid esters on properties of lubricating oil and greases. The book contains a number of photographs, tables, flow diagrams, and diagrams, among which those relating to coal gasification and a reaction of hydrocarbons residues over a fluidized bed catalyst deserve special attention. References accompany individual articles.

Florensky, V. P. (Deceased), T. A. Lepintsh, and V. S. Kravtsov. Some Results of the Petrographic Study of Crystalline Beds Underlying the Volg-Bral Petrolierous Province 61

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GUSEYN-ZADE, M.A., kand.tekhn.nauk, dots.; SINEL'NIKOVA, O.L., kand.
tekhn.nauk

Method of electric modeling of nonhomogeneous coal seams.
Podzem.gaz.uql. no.4:17-19 '59. (MIRA 13:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.
(Coal gasification, Underground—Electromechanical analogies)

GUSEYN-ZADE, M.A.

Macrostructural nonuniformity of strata. Trudy MINKHIGP
no.33:48-64 '61. (MIRA 15:1)
(Rocks--Permeability)

GUSEYN-ZADE, M.A.

Well yields in nonuniform strata. Trudy MINKHIGP no.33:65-74
'61. (MIRA 15:1)

(Oil reservoir engineering)

GUSEYN-ZADE, M.A.

Effect of the nonuniformity of strata on the interference of wells.
Trudy MINKHIGP no.33:75-83 '61. (MIRA 15:1)
(Oil reservoir engineering)

GUSEY/~~N~~-ZADE, M.A.

Effect of the nonuniformity of strata on hydraulic fracturing.
Trudy MINKHIGP no.33:84--92 :61. (MIRA 15:1)
(Oil wells--Hydraulic fracturing)

GUSEYN-ZADE, M.A.

Displacement of the oil-water boundary in nonuniform strata.
Trudy MINKHIGP no.33:93-106 '61. (MIRA 15:1)
(Oil reservoir engineering)

GUSEYN-ZADE, M.A.

Calculating the permeability of the top and bottom of a layer
in fluid flow. Trudy MINKHiGP no.33:143-197 '61. (MIRA 15:1)
(Petroleum geology)
(Permeability)

GUSEYN ZADE, M.A.; KHUAN KOU-ZHEN [Huan K'ou-jên]

Unsteady flow of liquid in a nonuniform layer having a slightly permeable interlayer. Trudy MINKHIGP no.33:296-304 :61. (MIRA 15:1)
(Oil reservoir engineering)

GUSEYN-ZADE, M.A.

Approximative method of solving steady-state problems of the theory of flow. Izv. vys. ucheb. zav.; neft' i gaz 4 no.6:97-104 '61.
(MIRA 15:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M.Gutkina.

(Oil reservoir engineering)

GUSEYN-ZADE, M.A.; KHUAN' KOU-ZHEN' [Huan K'ou-jên]

Calculating the permeability of the roof of a layer in elastic drive.
Azerb. neft. khoz. 40 no.4:23-27 Ap '61. (MIRA 15:7)
(Oil sands--Permeability)

KHUAN' KOU-ZHEN' [Huan K'ou-jên]; GUSEYN-Zade, M.A., rukovoditel' raboty;
GOVOROVA, G.L., rukovoditel' raboty

Analyzing pressure build-up curves considering the fluid influx
to a well after closing-in. Trudy MINKHIGP no.42:164-175 '63.

(MIRA 17:3)

GUSEYN-ZADE, M.M.; KOLSOVERAYA, A.K.

Effect of reservoir nonuniformity on the interference of sound lines.
Trudy MINKHIGP no.48:41-51 '64. (N:R: 18:3)

GUSHYN-LADE, M.A.

Steady gas flow in a reservoir with a slightly permeable roof.
Trudy MINKHIGP no.48:161-168 '64.

Nonsteady gas flow in a reservoir with a slightly permeable roof.
Ibid.:169-178 (MIRA 18:3)

GUSEYN-ZADE, M.I.; KHARITONOVA, A.N.

Determination of the deformation of a telescope mirror by
elasticity theory methods. Izv.GAO 23 no.2:159-166 '63.
(MIRA 16:12)

GUSEYN-ZADE, M.I. (Moskva)

Forces exerted by the weight of a thick plate of infinite dimensions
resting on supports which form a rectangular grid. Inzh.sbor. 24:24-36
'56. (MLRA 10:5)

(Elastic plates and shells)
(Strains and stresses)

GUSEYN-ZADE, M.I

Plastun, M. I.
Krasnodar Krai, Kuban'

M.I.

PA - 3132

AUTHOR
TITLE

GUSEYN-ZADE M.I.

The Impact Against An Infinite Plate Resting Upon A Liquid Half Space.
(Udar po beskonechnoy plastinke, lezhashchey na sprugom zhidkom polu-
prostranstve -Russian)

PERIODICAL

Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 3, pp 523-526 (U.S.S.R.)
Reviewed 7/1957
Received 6/1957

ABSTRACT

The present paper investigates the effect produced by a punctiform momentum Q upon such an infinite plate. The liquid half-space is considered to be an elastic body, the second Lamé constant μ of which is equal to zero. The author here uses a cylindrical system of coordinates the z-axis of which is directed towards the depth of the half-space. The momentum applied to the plate is at first regarded as distributed. By a boundary transition the concentrated momentum is obtained. If we denote the pressure exercised by the base upon the plate by $p(r,t)$, the equation of the transversal oscillations of the plate is $\frac{1}{r} \frac{\partial}{\partial r} \left[r \frac{\partial}{\partial r} \left[\frac{1}{r} \frac{\partial}{\partial r} \left(r \frac{\partial w}{\partial r} \right) \right] \right] + \frac{\gamma h}{2D} \frac{\partial^2 w}{\partial t^2} = \frac{1}{D} q(r,t) - \frac{1}{D} p(r,t)$.

Here $w(r,t)$ denotes the bend through, h - thickness, γ - the specific weight of the material, $D = \frac{Eh^3}{12(1-\nu^2)}$ - the stiffness of the plate. For $w(r,t)$ the following initial conditions apply: $w(r,0) = w_t(r,0) = 0$. If the components of the displacements u_r and u_z in the half-space are defined as derivatives of the potential $\phi(r,z,t)$ according to the corresponding components, the following wave equation is obtained:

-24(1)

AUTHOR: Guseyn-Zade, M.I. (Moscow) SOV/40-22-4-19/26

TITLE: On the Acoustic Theory of Bursting (Ob akusticheskoy teorii otkola)

PERIODICAL: Prikladnaya matematika i mekhanika, 1958, Vol 22, Nr 4,
pp 547 - 549 (USSR)

ABSTRACT: The author investigates the phenomenon of bursting which can occur in an elastic medium during the propagation of acoustic waves. It is assumed that in a certain point of the surface of a plate a certain force is put at the time $t = 0$, while the bottom side of the plate is free of any stresses. At first the author investigates the solution for the case of putting a unit impact of the form :

$$\delta(t) = \begin{cases} 0 & \text{for } t < 0 \\ 1 & \text{for } t \geq 0 \end{cases}$$

If this solution is known, then the solution for an arbitrary variation of the force with the time can be obtained from it according to well-known methods. The solution thus obtained in integral form is applied in order to calculate the

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pressure distribution for the case that at the time $t = 0$ there exists a presupposed radially symmetric pressure distribution on the plate. Then the solution of the wave equation for the displacement potential for the given initial and boundary conditions can be given in integral form :

$$\varphi(r, z, t) = \int_0^{\infty} \phi(k, z, t) I_0(kr) dk ; \quad \bar{\phi}(r, z, s) = \int_0^{\infty} \phi(k, z, t) e^{-st} dt$$

For the function $\bar{\phi}$ an ordinary differential equation is obtained, the boundary conditions of which can be easily given on the basis of the boundary conditions of the problem.

Contrary to results of Lenskiy [Ref 1] who considered the same problem, the author obtains the result that in the front wave which starts from the source of disturbance there always exist compressive stresses in arbitrary distances from the plate. A peeling off or a bursting open of the medium cannot occur in this case. On the other hand it is absolutely possible that on the back side of the plate a bursting takes place which can be explained by tensile stresses which can arise by reflections

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on the lower side of the plate.
Still another discrepancy in the paper of Lenskiy is
mentioned and by means of the present results a recti-
fication is brought.
There are 3 Soviet references.

SUBMITTED: February 25, 1958

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SOV/179-59-1-9/36

AUTHORS: Guseyn-Zade, M. I. and Kuzin, P. A. (Moscow)

TITLE: Action of an Impulsive Load on an Elastic Layer, Lying on a Liquid Elastic Half-Space (Deystviye impul'sivnoy nagruzki na uprugiy sloy, lezhashchiy na zhidkom uprugom poluprost-ranstve)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1959, Nr 1, pp 64-72 (USSR)

ABSTRACT: The paper discusses the dynamic problem of an elastic layer lying on a liquid elastic half-space under the action of impulses applied to some point of the surface of the layer (a liquid elastic half-space is an elastic medium in which the shear modulus is zero). G. I. Petrashen' (Refs.1-3) has considered the dynamic problem of a layered isotropic medium. Using his results, supplemented by the methods of incomplete separation of variables and of the operational calculus, the solution of the problem can be obtained in the form of a contour integral; and this solution is given in a form convenient for numerical calculation. The displacements and stresses in

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SOV/179-59-1-9/36

Action of an Impulsive Load on an Elastic Layer, Lying on a Liquid Elastic Half-Space

the layer and the half-space are obtained during a relatively small time interval following the instant of applying the impulsive load. On the basis of the derived stress field, an attempt is made to elucidate the possible tearing away of the layer. Thanks are expressed to V. S. Boytsova, T. F. Barysheva, V. A. Pylyayeva and N. K. Fedyanina for carrying out the calculations. There are 4 tables, 2 figures and 4 Soviet references.

SUBMITTED: May 13, 1958.

Card 2/2

GUSEYN-ZADE, M.I. (Moskva)

Elastic equilibrium of thick ribbed plates. Inzh.zhur. 3 no.4:
665-674 '63. (MIRA 16:12)

1. Institut mekhaniki AN SSSR.

GUSEYN-ZADE, M.I. (Moskva)

Nonaxisymmetric deformation of an elastic thick plate. Inzh.zhur. 5
no.2:275-283 '65. (MIRA 18:4)

GUSEYN-ZADE, M.I. (Moskva)

Conditions for the existence of damping solutions to a two-dimensional problem in the theory of elasticity for a half-strip. Prikl. mat. i mekh. 29 no.2:393-399 Mr-Apr '65.
(MIRA 18:6)

GUSEYN-ZADE, M.I. (Moskva)

Necessary and sufficient conditions for the existence of fading solutions to the two-dimensional problem in the theory of elasticity for a half-strip. Prikl. mat. i mekh. 29 no.4:752-760 JI-Ag '65.
(PTR 18:9)

SOV/99-59-7-3/9

30(1)

AUTHOR:

Guseyn-Zade, S.Kh., Candidate of Technical Sciences,
and Kravchenko, V. I., Engineer

TITLE:

The Wheeled Sprinkler Pipeline, Type KDT-25

PERIODICAL:

Gidrotekhnika i Melioratsiya, 1959, Nr 7, pp 17-23 (USSR)

ABSTRACT:

At the western end of the Apsheron Peninsula it is planned to break 15,000 hectares of fresh ground and to turn it into arable land. For the purpose of irrigating this area, it has been proposed to use the wheeled sprinkler pipeline, type KDT-25. The essential features of this sprinkler are: 1) It can be operated from a closed irrigation net, but, if a transportable pumping station is available, the sprinkler can work also from an open net of canals; 2) Because it is self-propelled, the use of it eliminates the carrying by hand of irrigation pipes from one place to another, which takes 30 to 40 minutes. The wheeled sprinkler saves time and saves labor. The wheeled sprinkler consists essentially of the following parts: the operating pipeline, the driving vehicle, the supporting wheels and the auxiliary water-conducting

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The Wheeled Sprinkler Pipeline, Type KDT-25

pipe. The operating pipeline is comprised of 8 thin-walled pipes, each 12 m long. It is divided into two parts - right and left - connected between themselves by a water pipe passing through the driving vehicle. At a distance of 10 m from each other, on the pipeline are mounted flanges for attaching sprinkling nipples. The water output of nipples depends on the pressure in the net and varies from 1.8 to 2.2 lit/sec. One end of the operating pipeline, attached to the auxiliary water conducting pipe, is provided with a coupling sleeve. The short-jet sprinkler KDT-25 can irrigate from one position a stretch of land 110-120 m broad. The driving vehicle consists of a frame, an air-cooled power plant, a reversible gear and three driving chains. On both sides of the vehicle are mounted supporting wheels, 80 cm in diameter. The driving wheels are 120 cm in diameter with rims 12 cm wide. Other advanced features of the sprinkler KDT-25 are: 1) Simplicity of construction; 2) Convenience of operation; 3) Light weight; 4) Absence of protruding parts, which is particularly

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The Wheeled Sprinkler Pipeline, Type KDT-25

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important in those regions where strong winds blow (Azerbaijan); 5) Possibility of using sprinkling nipples of different shapes, thus being able to regulate the water jet output. The wheeled sprinkler pipeline KDT-25 was tested in 1958 by the State Commission and recommended to be used on a large scale. There are 4 tables, 2 diagrams and 2 photographs.

ASSOCIATION: AzNIIGiM (Azerbaijan Scientific Research Institute of Water Engineering and Land Reclamation)

Card 3/3

GUSEYN-ZADE, S. M.

Analytical Chemistry, Inorganic (11218)
Dokl. AN Azerb. SSR, Vol 9, No 6, 1953, pp 321-324

GUSEYN-ZADE, S. M.

"Tetramethylthiuramdisulfide (Thiuram) as a New Reagent for the Colorimetric Determination of Copper" 20-25 ml of a neutral solution containing not less than 0.5 micrograms of Cu^{++} are acidified with 1-2 drops of 0.1N H_2SO_4 or HCl. After heating the solution to boiling, one ml of a freshly prepared, saturated alcoholic solution of thiuram is added and the solution is boiled again. On cooling, the reddish-brown precipitate is extracted with two 5 ml portions of $CHCl_3$. The $CHCl_3$ layer is filtered through dry filter paper and subjected to colorimetric analysis. The presence of K^+ , Na^+ , Mg^{++} , Mn^{++} , Fe^{++} , Fe^{+++} , and Al^{+++} , does not interfere with the determination.

SO: Referativnyy Zhurnal--Khimiya, No 1, 1 Jan 54; SO: (W-30785, 28 July 1954.)

GUSEYN-ZADE, S. M.

GUSEYN-ZADE, S. M. -- "The Determination of Small Quantities of Copper in the Form of the Tetramethyl Thiuramdisulfide (Thiuramate) of Copper Using Photometric and Crystalloscopic Methods." Min Higher Education USSR. Azerbaydzhan Order of Labor Red Banner Industrial Inst imeni M. Azizbekov. Baku, 1955. (Dissertation for the Degree of Candidate in Chemical Sciences)

SOURCE Knizhnaya Letopis', No 6 1956

GUSEYN-Zade, S.M.

Nomenclature of peroxide compounds. Azerb.khim.zhar. no.2:
123-127 '59. (MIRA 13:6)
(Peroxides--Nomenclature)

SHAKHTAKHTINSKIY, G.B.; GUSEYN-ZADE, S.M.; BAGIROV, G.

Reduction of barite by natural petroleum gases. Azerb.khim.
zhur. no.2:135-139 '60. (MIRA 14:8)
(Barite) (Gas, Natural)

GUSEIN-ZADE, S.M.

Establishment and development of chemical terminology and
nomenclature in the Azerbaijani language. Trudy Inst.
khim. AN Azerb. SSR 19:71-80 '61. (MIRA 14:10)
(Azerbaijan--Chemistry--Terminology)

SHAKHTAKHTINSKIY, G.B.; GUSEYNZADE, S.M.; KHALILOV, Kh.S.

Concentration of vanadium in alkaline solutions of the production of
aluminum oxide from alunite. Azerb.khim.zhur. no.4:109-113 '63.
(MIRA 17:2)

SHAKHTAKHTINSKIY, G.B.; GUSEYNZADE, S.M.; KHALILOV, Kh.S.; ASKEROV, G.R.

Production of pure vanadium pentoxide from flushing fluids of
alkali metal sulfates. Azerb. khim. zhur. no.3:140-173 '65.
(MIRA 19:1)

1. Institut khimii AN AzerSSR.

GUSEYN-ZADE, T. G.

"Sarcoma of the Gastrointestinal Tract," *Khirurgiya*, No.6, 1948
Assistant, Preliminary Surgery Clinic, Azerbaydzhan State Med. Inst.

6. SKARBILOVICH, I. M.

Skarbilovich, T. S. and Skarbilovich, I. M. "Research on the origin of the beet root-blight (Korovka)." (Vsesoyuznyi Institut Sel'skokhozyaystvennoy Biologii i Genetiki). pp. 52-596.

SO: Collection of Works on Hemiptera of Agricultural Plants. Ed. by I. S. Kir'yanova, Izdat. Kolkhoz i Sovkhoz Lit., 1937, Moscow-Leningrad 8/5
601.5
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GROMINSKAIA, L. Kh.

"Fauna of soil nematodes in Tadzhikistan." (Vsesoyuznyi Institut Nauchnoissledovaniy i. Kh. I. Skristina). pp. 658-660.

SO: Collection of Works on Hematodes of Agricultural Plants, ed. by E. S. Kiryanova,
Gosizdat. Kolhoz i Sovkhoz Lit., 1939, Moscow-Leningrad 2/5
611.5
.00

CHEREMNYKH, I. ¹⁹⁵⁰
Helminth fauna of black grouse of the Ural, Far East + Sakhalin
1950. K. Sbornik fauny i orevivnits' ptits uralsk, dal'nego vostoka i
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STARBROOK, W. W., TERMINAL, I. III.

Root rot

Role played by nematode in the etiology of root rot of the sugar beet. Trudy Zool. inst.
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9. Monthly List of Russian Accessions, Library of Congress, ABRIST 19⁵³/₂, Uncl.

ГИМАНОВИЧ, И. И.

Nematoda

Fauna of soil nematoda of Uzbekistan. Trudy Zool. inst. AN SSSR, 9 no. 2, 1951.

9. Monthly List of Russian Accessions, Library of Congress, August 1958, Uncl.
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GEORGIANI, I. M.

Semopsis: *Desmoceroides* Brax, 1927 s. str. *colonicolice* v. *colonicolice* n. sp.,
"Works on Helminthology" on the 75th Birthday of K. I. Skryabin, Izdat, Akad.
Nauk, SSSR, Moscow, 1953, page 108
Helminthology Laboratory, Academy of Sciences USSR

SHIKHOBALOVA, N.P.; SKRYABIN, K.I., akademik, redakter; GUSHANSKAYA, L.Kh.,
redakter; MAKUNI, Ye.V., tekhnicheskiy redakter.

[Helminthiases common to man and animals] Gel'mintozy, obshchie
cheloveku i zhivotnym. Moskva, Izd-vo Akademii nauk SSSR, 1955.
87 p. (Helminthiases) (MLRA 9:5)

SKRYABIN, Konstantin Ivanovich, akademik, laureat Stalinskikh premiy
zasluzhennyy deyatel' nauki; GUSHANSKAYA, L.Kh., redaktor izdatel'-
stva; SOMOROV, B.A., tekhnicheskiy redaktor

[Trematoda of animals and man; principles of trematodology]
Trematody zhivotnykh i cheloveka; osnovy trematodologii. Moskva,
Izd-vo Akademii nauk SSSR. Vol.12. 1956. 932 p. (MIRA 9:9)
(TREMATODA)

GUSHANSKAYA, L. K.

SKRYABIN, Konstantin Ivanovich, akademik; laureat Stalinskikh premy; GUSHANSKAYA
L. Kh., redaktor izdatel'stva; RUDENSKAYA, L.V., redaktor izdatel'stva;
SAMOROZ, B.A., tekhnicheskiy redaktor.

[Trematodes of animals and men; principles of trematodology] Trematody
shizotnykh i cheloveka; Osnovy trematologii, Moskva, Izd-vo AN SSSR
Vol.13 1957. 783 p. (MLRA 10:5)
(Trematoda)

GUSHANSKAYA, L.Kh., red.; PARAMONOV, A.A., red.; PETROV, A.M., red.;
POD'YAPOL'SKAYA, V.P., red.; SPASSKIY, A.A., red.; SHIKHOBALOVA,
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[Papers on helminthology; on the 80th birthday of Academician
K.I.Skriabin] Raboty po gel'mintologii; k 80-letiu akademika
K.I.Skriabina. Moskva, Izd-vo Akad. nauk SSSR, 1958. 415 p.

(MIRA 11:12)

1. Vsesoyuznoye obshchestvo gel'mintologov.
(WORMS, INTESTINAL AND PARASITIC)

SKRYABIN, K.I.; GUSHANSKAYA, L.Kh.

Ontogeny and individual stages of development in representatives of
the suborder Hemiurata, Trudy Gel'm. lab. 9:280-293 '59.
(MIRA 13:3)

(Trematoda)

SKRYABIN, Konstantin Ivanovich, akademik, Geroy Sotsialisticheskogo Truda, laureat Leninskoy i Gosudarstvennykh premiy; Prinsipialni uchastiye: GUSHANSKAYA, L.Kh.; ANTIPIN, D.N.; GUSHANSKAYA, L.Kh., red. izd-va; MOZGOVOY, A.A., red. izd-va; YEPIFANOVA, L.V., tekhn. red.; LAUR, V.G., tekhn. red.

[Trematodes of animals and man; principles of trematodology]
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(MIRA 15:9)

(Trematoda)

SKRYABIN, Konstantin Ivanovich, akademik; SHIKHOBALOVA, Nadezhda Pavlovna; PETROV, Aleksandr Mikhaylovich; LEVASHOV, Mikhail Mikhaylovich; GUSHANSKAYA, L.Kh., red.; BREVKINA, Ye.T., red. izd-va; DOROKHINA, I.N., tekhn. red.

[Development of helminthological science and practice in the U.S.S.R.] Stroitel'stvo gel'mintologicheskoi nauki i praktiki v SSSR. Moskva, Izd-vo AN SSSR, Vol.2. 1963. 415 p.

(MIRA 16:11)

(Helminthological research)

GUSHANSEAYA, P.G.

Low-molecular paraffins as a prospective raw material for manufacturing lubricants. Proizv. smaz. mat. no.6/8:35-45 '61. (MIRA 14:8)

1. Leningradskiy opytnyy neftomaslozavod imeni Shaumyana.
(Paraffin wax) (Lubrication and lubricants)

GUSHANSKAYA, P.G.; SYCHEVA, L.F.; DOBKIN, I.Ye.; LEV, L.I.

Using partition chromatography for the separation of low molecular weight acids obtained in the oxidation of soft paraffins. Khim.i tekhn.topl.i masel 6 no.8:31-36 Ag '61.
(MIRA 14:8)

1. Neftemaslozavod im. Shaumyana.
(Acids, Organic)
(Chromatographic analysis)
(Paraffins)

TEPLOV, I.T., polkovnik.med.sluzhby, prof., CHERVYAKOVSKIY, N.Ya., polkovnik
med.sluzhby, prof., BURKALOV, A.P., mayor med.sluzhby, GUSHCH, V.I.
mayor med.sluzhby.

Etiological factors of acute catarrhs of the respiratory tract
among ship personnel in the navy. Voen.-med.zhur. no.11:15-22
N'56 (MIRA 12:1)

(CATARRH)

(SAILORS (NAVY)--DISEASES AND HYGIENE)

17(2)

SOV/177-58-11-19/50

AUTHOR: Gushch, V.I., Lieutenant-Colonel of the Medical Corps

TITLE: Changes of Certain Indicators of Hemodynamics in Influenza and Acute Catarrhs of the Respiratory Channels

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 11, pp 58 - 60 (USSR)

ABSTRACT: In this article, the author explains frequency, character, degree and duration of changes of the indicators of hemodynamics in influenza and acute catarrh of the respiratory channels for the purpose of better conducting patients and prophylaxis of some complications from the side of the cardio-vascular system in these diseases. Besides general clinical methods, the author applied the mechano-cardiographic method suggested by Prof. N.N. Savitskiy which permits to register simultaneously some factors of hemodynamics and thus to detect early, predominantly functional changes in the blood circula-

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SOV/177-58-11-19/50

Changes of Certain Indicators of Hemodynamics in Influenza and Acute Catarrhs of the Respiratory Channels

tion system. During the 1954-56 period, the author investigated, in a military hospital, 52 patients suffering from influenza and 119 suffering from acute catarrh of the respiratory channels. The data obtained give evidence of the changes of the indicators of hemodynamics in both influenza and catarrh. The author not only emphasizes the considerable changes of hemodynamics in grippe and acute catarrh and underlines the passing, functional character of these changes connected with intoxication, but also stresses the fact that in a series of investigations, these changes remained for a longer time (even after the acute period of the disease) at already normal temperatures. This fact points to the necessity of longer investigations of the patients who endured grippe and acute catarrh of the respiratory channels. In case the differential diagnosis of

Card 2/3

MIRONOV, G.S.; GUSHCH, V.I.; SHVAYKO, K.M.

Effect of chlortetracycline on the bilirubin and cholesterol level of the blood serum in patients with acute bacillary dysentery. Antibiotiki 4 no.4:78-81 J1-ag '59.

(MIRA 12:11)

1. Kafedra infektsionnykh bolezney (nachal'nik - prof.P.A.Alisov) i kafedra propedevtiki vnutrennikh bolezney No.2 (nachal'nik - prof.I.T.Teplov) Voenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(DYSENTERY, BACILIARY blood)

(CHLORTETRACYCLINE ther)

(BILIRUBIN blood)

(CHOLESTEROL blood)

MIRONOV, G.S.; GUSHCH, V.I.; SHVAYKO, M.K.

Effect of chlortetracycline on the blood serum cholesterol and globulin level and on the adrenocortical function in mild forms of acute bacillary dysentery. Antibiotiki 7 no.1:39-41 Ja '62.
(M.I.A. 15:2)

1. Kafedra infektsionnykh bolezney (nachal'nik - prof. P.A.Alisov), klinika gosspital'noy i voyenno-morskoy terapii (nachal'nik - prof. Z.M.Volynskiy) Voenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(DYSENTERY) (AUREOMYCIN) (ADRENAL CORTEX)
(CHOLESTEROL) (GLOBULIN)

GUSHCH, V.I.; KAMENEVA, N.A.

Cholesterol content in the blood serum and daily estrogen excretion in the urine in normal and obese women with coronary atherosclerosis. Kardiologiya no.1:26-29 '64.

(MIRA 17:10)

1. Klinika voyenno-morskoy i gospital'noy terapii (nachal'nik - prof. Z.M. Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

GUSHCHA, A.L. (Ryazan', ul. Chernobayevskaya, d.17, kv.93)

Surgical treatment of spastic paralysis secondary to tuberculous
spondylitis. Nov.khir.arkh. no.6:98-100 N-D '59. (MIRA 13:4)

1. Kafedra gospital'noy khirurgii (zaveduyushchiy - prof. B.P.
Kirillov) Ryazanskogo meditsinskogo instituta.

(~~VERTEBRAE~~--TUBERCULOSIS)

(PARALYSIS, SPASTIC)

(~~EXTREMITIES, LOWER~~--SURGERY)

GUSHCHA, A. L. Cand Med Sci -- "Surgical treatment of paraly^{sis} in tuberculous spondylitis." Voronezh, 1961 (Min of Health RSFSR. Voronezh State Med Inst). (KL, 4-61, 208)

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can be used for P-105 radio stations and is calculated for a 7.5 m wavelength or 40 Mc, but the frequency most often used is 38—42 Mc. The design, dimensions and operational details of the double-square antenna are given in the original article. Field operation of the antenna requires the installation of a mast of a type similar to that of a P-104 radio relay station. Under stationary conditions, the double-square antenna can be installed on a roof. Its value in field operations

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ACC NR: AP7003272

lies in making it possible for the commander and staff to keep in touch with sub-units operating at great distances. The clarity of speech and freedom from interference are greater on UHF than on HF radio stations; the UHF stations can be used by the commander himself or by the telephone operator on duty. Teletyping is also possible on UHF radiolines using the "Soviet teletype (ST)-simplex without interruption" system. Orig. art. has: 1 figure. [GC]

SUB CODE: 17, 15/SUBM DATE: none/

Card 2/2